

What Is Claimed Is:

1. A computer comprising one or more CPUs, a main memory and one or more input/output means, said computer being capable of divided into a plurality of partitions; wherein a means to control allocation of the input/output means for the partitions is provided.
  
2. A computer as claimed in claim 1, wherein a means to monitor input/output performance of said partitions corresponding to the partitions is provided.
  
3. A computer as claimed in claim 1, wherein a means for an operator to instruct input/output allocation for each partition is provided.
  
4. A computer as claimed in claim 1, wherein a means to book input/output allocation for each partition is provided.
  
5. A computer as claimed in claim 2; wherein said computer is provided with a means to compare input/output capacity of each partition with change conditions of prescribed input/output ratio, and a means to change input/output allocation for said partitions without

mediation of an operator when said change conditions of the input/output allocation are fulfilled.

6. A computer as claimed in claim 5, wherein said computer is provided with a means to record time used for having increased input/output allocation for partitions and a means to give additional charge to the user of said partition according to said record.

7. A computer as claimed in claim 2, wherein said computer system is provided with:

a means to compare processing capability of each partition with prescribed lower limit capability of the partition according to SLA (Service Level Agreement),

a means to determine, when said capability is less than the lower limit capability or likely to be so, whether there exists a CPU bound or an input/output bound according to CPU performance and input/output performance of the partition, and

a means to increase input/output allocation to said partition when above case is determined to be the input/output bound and there is surplus in input/output performance of other partitions.

8. A computer as claimed in claim 7, wherein said

computer is provided with a means to record, when the case is the input/output bound and no surplus of input/output performance is found in other partitions, that SLA has not been maintained, and a means to reduce the charge given to said partition user according to said record.

9. A computer as claimed in claim 7; wherein said computer is provided with a means to transmit monitored result of the input/output performance to an external second computer, and a means to change input/output allocation according to SLA determined in said second computer and change request for input/output allocation.

10. A computer as claimed in claim 1, wherein said computer is provided with a means to change input/output allocation of each partition in proportion to CPU allocation for said partition.

11. A computer as claimed in claim 1; wherein input/output allocation for a partition is changed according to a means to monitor performance of each partition, said monitored result, and conditions prescribed by a user.

12. A computer as claimed in claim 1, wherein said

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computer is provided with:

a means to interrupt communication conducted by a first partition after data of prescribed size has been transmitted,

a means to change over to communication that another partition requests after said interruption, and

a means to resume the communication of the first partition after the data of prescribed size has been sent through the communication of said another partition.

13. A computer as claimed in claim 1, wherein a means to dynamically change input/output adapter to which each partition can gain access.

14. An input/output means for a computer comprising one or more CPUs, a main memory and one or more input/output means; said means being the input/output means for the computer capable of being divided into a plurality of partitions, and conducting input/output processing of each partition according to the ratio specified externally.

15. An input/output means for a computer comprising one or more CPUs, a main memory and one or more input/output means, said means being the input/output means for the computer capable of being divided into a plurality of

partitions; wherein said input/output means has a partition number with which said input/output means can be accessed, a setting register holding a plurality of sets of page addresses used by said partition to gain access to said input/output means, and a means for a partition-control program to dynamically set said setting register.

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